Increasing Yields with Decision Agriculture

Precision Ag to Decision Ag

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DUPONT PIONEER LONG LOOK

• We strive to produce the best products on the market.

• We deal honestly and fairly with our employees, customers, seed growers, sales force, business associates and shareholders.

• We advertise and sell our products vigorously, but without misrepresentation.

• We give helpful management suggestions to our customers to assist them in making the greatest possible profit from our products.
ADVANCED MANAGEMENT TO ADVANCE YIELD GAINS

ADVANCED AGRONOMY

MINIMIZING YIELD VARIABILITY

CONSISTENT PROFITABILITY
TWO WAYS TO LOWER YOUR COST OF PRODUCTION PER BUSHEL

Minimize risk of under-application (MAXIMIZE YIELDs)
Minimize risk of over-application (REDUCE INPUT COSTS)

Source: Profit Manager, 1999-2014 All Rights Reserved Ag View Solutions, LLC
THE MOST ADVANCED THREE DIMENSIONAL VIEW OF SOILS
Your Personalized Encirca Decision Zones

EncircaSM services are provided subject to the terms and conditions of purchase which are part of the labeling and purchase documents.

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EncircaSM Stand Service

- Variable rate seeding prescriptions by Decision Zone
- Planting priority tool to help with logistical decisions and minimize risk as conditions change
- Crop insights and consultation up through and after harvest
Encirca℠ Fertility Service

- Maximize yields within existing fertility budget
- Optimally allocate phosphorous, potassium, and lime—field-by-field
- Variable rate fertility prescriptions
- Model different scenarios to see projected yield outcomes
Encirca℠ Nitrogen Service

- Help growers get the most from their nitrogen investment
- Snapshot of how much nitrogen is available in the soil— and how it will be utilized through the growing season
- Match rates (VRN) to different productivity rates in the field
- Powered by current and historical weather data
LESS IS MORE WITH ENCIRCA℠ YIELD NITROGEN MANAGEMENT SERVICE

RESULTS ARE IN

- 77% WINS IN TRIALS WITH ENCIRCA SERVICES
- $30 PER ACRE RETURN OVER STANDARD GROWER’S PRACTICE
- +6 BUSHEL PER ACRE INCREASE
- -5 POUNDS LESS OF NITROGEN PER ACRE
FIELD DETAILS: LATE JUNE, 2015

• Corn on soybeans
• Planted 5/1 with P1151AM
• N applications
  o Soil tests showed 77lbs in top 24”
  o Spring NH3 – 100 lbs
  o Spring UAN 32% - 45 lbs
  o Manure – untested
• 14.7” precip since planting
  o ~5” above normal
Estimated Current N Level: 63 lb/ac
Growth Stage: Silk (R1)
Precipitation since planting: 17.7"
Accumulated GDU: 1308
Yield Target: 220

Your Nitrogen Bottom Line
$125.00
Nitrogen Cost Per Acre
Estimated Current N Level: 98 lb/ac
Growth Stage: Silk(R1)
Precipitation since planting: 17.7"
Accumulated GDU: 1,396
Yield Target: 220

Your Nitrogen Bottom Line
$153.00
Nitrogen Cost Per Acre

Nitrogen
Est. N level at VT
- Full
- Moderate
- Low
- Unplanned

Show polygon fill
Show weather stations
Show field labels
-20 bushels = $70 / acre...potential service call

+20 bushels = $70 / acre...satisfied customer
YOUR PATH TO A MORE PROFITABLE Bottom Line